Cancel claims 4, 6 and 9, without prejudice.

REMARKS

Reexamination and reconsideration of this application as amended is requested. By this amendment, claims 1 and 5 have been amended and claims 4, 6 and 9 cancelled. Claims 1-3, 5, 7 and 8 remain in the application.

The equation on page 30 objected to by the Examiner has been corrected.

Applicant requests permission to amend Figure 1 of the drawings to indicate that it shows prior art, as shown on the attached copy of Figure 1.

Claim 9 has been cancelled, thus overcoming the objection to the drawings under 37 C.F.R. §1.83(a) and the objection to the specification under 35 U.S.C. §112, as well as the rejection of the claims under 35 U.S.C. §112.

The Examiner has rejected claims 1, 2, 7 and 8 under 35 U.S.C. §103 as being unpatentable over Kauffman et al in view of Winslow et al. The Examiner has stated that Kauffman et al discloses the invention substantially as claimed but does not mention the calculation of the boiling point temperature or the measured pressures but that Winslow teaches the use of a calculator means having stored temperature-pressure relationships for a plurality of different refrigerants and that it would have been obvious to have modified the system of Kauffman et al to include means to select the type of refrigerant and to calculate the boiling point temperature.

The Examiner has not indicated the reasons for rejecting claim 6 or on which reference the rejection of this claim is based. The subject matter of claim 6 as well as most of the subject matter of claim 4 has now been introduced into claim 1. Claims 4 and 6 have been cancelled. Claim 1 as amended now specifies that the system includes means for continuously performing successive calculations as the measured pressure varies with time and that the system includes update means for updating the pressure and boiling point temperature values displayed by the display means at predetermined intervals and that the system further includes control means for activating the display means to indicate the direction of a pressure change, upward or downward, during the predetermined time intervals in between the updating of the pressure and temperature values being displayed by the display means. In the particular embodiment described in the specification, the direction of the pressure change is indicated by means of a bar graph.

The Kauffman et al reference discloses a system which is dedicated in its application and which measures temperature and pressure around the compressor. It compares the measured values with pressure-temperature relationships of a particular refrigerant in the memory and shuts the compressor off if there is a superheat condition.

The Winslow et al reference is a calculator which has been specifically adapted for use in making calculations during the servicing of furnaces and refrigeration units. The calculator is not connectable to a refrigeration system. It is merely a calculating device and all input is by means of a keyboard. The system according to the present application is connectable to a refrigeration system for measuring pressure and then calculating a corresponding boiling point temperature for a selected refrigerant at the measured pressure.

Neither of the cited references teach or suggest means for continuously performing calculations and control means for activating the display means to indicate the direction of a pressure change during the time intervals in between the updating of the displayed pressure and temperature values.

In the light of the above, it is submitted that the Examiner's rejections have been overcome and withdrawal thereof is requested.

It is believed that the claims are in allowable form and allowance of claims 1-3, 5, 7 and 8 is respectfully requested.

Respectfully submitted,

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